

What Is Claimed Is:

1. A method of constructing information on associate meanings between segments of a multimedia stream, characterized by describing information on associate meanings between segments including the information between a segment locator and
5 information on description of relationship between located segments in a data region based on contents of a multimedia stream so as to construct information on said stream.

2. The method of claim 1, wherein the information on associate meanings between segments is an information on cause/effect or abstract/detail relationship.

3. The method of claim 1, wherein the segment locator of information on
10 associate meanings comprises a segment locator of original text and an object segment locator, the information on description of the relationship describing associate meanings between the segment of original text and the object segment.

4. The method of claim 1, wherein the segment locator is an information intervals.

15 5. The method of claim 4, wherein the segment locator further comprises information on a stream.

6. The method of claim 4, wherein the information on intervals is described as a starting point and an ending point of the segments.

20 7. The method of claim 4, wherein the information on intervals is described as information on a starting point and a length of the segments.

8. The method of claim 5, wherein the information on a stream is an information on relative/absolute locations of the stream.

9. The method of claim 5, wherein the information on a stream comprises a unique identifier (ID) for the stream.

25 10. The method of claim 5, wherein the information on a stream may be

omitted from the segment of original text by setting the information based on the stream, to which the segment of original text belongs.

11. The method of claim 1, further comprising information on an additional weight value with respect to the cause/effect relationship between the segments so as to
5 order the segments affecting a particular segment or the segments affected by a particular segment.

12. A method of browsing a video using information on associate meanings between segments of a multimedia stream characterized by a video browsing interface including a video display view and a key frame or a key region view, the method
10 comprising the steps of:

displaying the information on associate meanings between segments by the video browsing interface further including key frames or key regions or text for displaying information on associate meanings between the segments; and

performing a video browsing by using key frames or key regions or text
15 displaying the information on associate meanings between segments.

13. The method of claim 12, wherein the information on associate meanings between segments is an information on cause/effect or abstract/detail relationship.

14. The method of claim 12, wherein a user can select a case as to whether to shift to a frame corresponding to the selection region or to a segment represented by the
20 selected region, or to a cause segment of the corresponding segment or to an effect segment or to an abstract segment or to a result segment, if the user selects a predetermined display region of the key frame or the key region view.

15. The method of claim 12, wherein each segment is expressed by a node, and the relationship between the segments is expressed by a link in a region displaying the
25 information on associate meanings between segments.

16. The method of claim 15, wherein each node is expressed by using the key frame, the key region or a text in the region displaying the information on associate meanings between segments.

5 17. The method of claim 15, wherein the corresponding node and the link are displayed in a graphic structure in the region displaying the information on associate meanings between segments.

18. The method of claim 15, wherein the corresponding node and the link are displayed in a tree structure in the region displaying the information on associate meanings between segments.

10 19. The method of claim 15, wherein the corresponding node and the link are displayed in other structures than the graphic structure or the tree structure in the region displaying the information on associate meanings between segments, the corresponding segment and the segments related to the associate meanings being dynamically converted and displayed when a predetermined segment is selected.

15 20. The method of claim 15, wherein a shift is made to a corresponding segment if each node of a graphic view of information on associate meanings is selected.

21. The method of claim 12, wherein the region displaying the information on associate meanings displays the region displaying the information on associate meanings between segments centering around a segment currently being displayed.

20 22. The method of claim 12, wherein the graphic view of information on associate meanings selects a plurality of nodes, and the segments corresponding to the more than one selected node are automatically linked and reproduced.